Name \_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_#\_\_\_\_\_\_\_POW\_\_\_\_\_\_\_\_\_\_\_\_\_\_

M&M Probability

Look at the amount of M&M’s in your cup. If you pulled one out without looking…

1. Which color would *most likely* be drawn? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which color would *least likely* be drawn? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Follow the steps to complete the probability experiment.

Step 1: Randomly draw an M&M from the cup.

Step 2: Tally the color on the table to show which color was pulled.

|  |  |
| --- | --- |
| **M&M Colors** | **Tallies** |
| **Red** |  |
| **Green** |  |
| **Orange** |  |
| **Yellow** |  |
| **Blue** |  |
| **Brown** |  |

Step 3: Repeat this 25 times.

1. Which M&M color did you pick the most? \_\_\_\_\_\_\_\_\_\_\_\_ Least?\_\_\_\_\_\_\_\_\_
2. Would the results of your experiment been different if there were an equal number of each color in the cup? \_\_\_\_\_\_\_\_\_\_\_ Explain. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What is the likelihood that a purple M&M be drawn? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_